

INFORMATION DISCLOSURE CITATION
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ATTY DOCKET NO.

02 Micro 00.

SERIAL NO.

09/757,265

APPLICANT(S)

Lin et al.

FILING DATE

January 9, 2001

GROUP

2661

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TDC	4,794,506	12/27/88	HINO ET AL.	363	25	
TDC	4,535,399	8/13/85	SZEPESI	363	41	
TDC	4,814,962	3/21/89	MAGALHAES ET AL.	363	16	
TDC	4,855,888	8/8/89	HENZE ET AL.	363	17	
TDC	4,864,483	9/5/89	DIVAN	363	37	
TDC	4,953,068	8/28/90	HENZE	363	17	
TDC	4,912,622	3/27/90	STEIGERWALD ET AL.	363	98	
TDC	4,833,584	5/23/89	DIVAN	363	37	
TDC	4,860,189	8/22/89	HITCHCOCK	363	132	
TDC	4,992,919	2/12/91	LEE ET AL.	363	17	
TDC	4,672,528	6/9/87	PARK ET AL.	363	98	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TDC		"An Introduction to the Principles and Features of Resonant Power Conversion", Steve Freeland, from <i>Recent Developments in Resonant Power Conversion</i> , Intertec Communications, Inc., 1998, pgs. 20-43.
TDC		"Zero-Voltage Switching Technique in DC/DC Converters", Kwang-Hwa Lie and Fred C. Lee, from <i>Recent Developments in Resonant Power Conversion</i> , Intertec Communications, Inc., 1988, pgs. 211-223.

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U.S. PATENT DOCUMENTS

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TDC	4,227,469	2/23/88	KAMMILLER	363	56	
TDC	4,541,041	9/10/85	PARK ET AL.	363	41	
TDC	4,935,857	6/19/90	NGUYEN ET AL.	363	17	
TDC	4,952,849	8/28/90	FELLOWS ET AL.	315	307	
TDC	5,430,632	7/4/95	MESZLENYI	363	17	
TDC	5,418,703	5/23/95	HITCHCOCK ET AL.	363	17	
TDC	5,208,740	5/4/93	EHSANI	363	124	
TDC	5,198,969	3/30/93	REDL ET AL.	363	17	
TDC	5,132,889	7/21/92	HITCHCOCK ET AL.	363	17	
TDC	5,132,888	7/21/92	LO ET AL.	363	17	
TDC	5,113,334	5/12/92	TUSON ET AL.	363	25	

FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TDC		"A New and Improved Control Technique Greatly Simplifies the Design of ZVS Resonant Inverters and DC/DC Power Supplies", Mehmet K. Nalbant, 1995 IEEE, pgs. 694-701.
TDC		Switching Power Supply Design, Abraham L. Pressman, McGraw-Hill, 1991, pgs. 93-104; 471-492.

EXAMINER <i>Paula...</i>	DATE CONSIDERED 6/26/02
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U.S. PATENT DOCUMENTS

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TDC	5,742,496	4/21/98	TSUTSUMI	363	95	
TDC	5,384,516	1/24/95	KAWABATA ET AL.	315	160	
TDC	5,027,264	6/25/91	DEDONCKER ET AL.	363	16	
TDC	5,027,263	6/25/91	HARADA ET AL.	363	16	
TDC	5,017,800	5/21/91	DIVAN	307	66	
TDC	5,886,477	3/23/99	HONBO ET AL.	315	209 PZ	
TDC	5,363,020	11/8/94	CHEN ET AL.	315	209 R	
TDC	5,448,155	9/5/95	JUTRAS	323	285	
TDC	5,402,329	3/28/95	WITTENBREDE, JR.	363	16	
TDC	5,305,191	4/19/94	LOFTUS, JR.	363	17	
TDC	5,781,418	7/14/98	CHANG ET AL.	363	16	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TDC		"Phase Shifted, Zero Voltage Transition Design Considerations and the UC3875 PWM Controller, by Bill Andreyck, Unitrode, Application Note, May 1997, pgs. 1-14.
TDC		"Fixed-Frequency, Resonant-Switched Pulse Width Modulation with Phase-Shifted Control", by Bob Mammano and Jeff Putsch, from <i>Power Supply Design Seminar</i> , Unitrode, 1991, pgs. 5-1 to 5-7.

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TDC	5,430,641	7/4/95	KATES	363	133	
TDC	5,268,830	12/7/93	LOFTUS, JR.	363	17	
TDC	5,818,172	10/6/98	LEE	315	86	
TDC	5,669,238	9/23/97	DEVERS	62	657	
TDC	5,834,889	11/10/98	GE	313	493	
TDC	5,684,683	11/4/97	DIVAN ET AL.	33	65	
TDC	5,646,836	7/8/97	SADARNAC ET AL.	363	98	
TDC	5,715,155	2/3/98	SHAHANI ET AL.	363	132	
TDC	5,748,457	5/5/98	POON ET AL.	363	16	
TDC	5,510,974	4/23/96	GU ET AL.	363	134	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
					TC 2600 MAIL ROOM		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TDC		"Zero Voltage Switching Resonant Power Conversion", by Bill Andreycak, from <i>Power Supply Design Seminar</i> , Unitrode, 1991, pgs. A2-1 to A2-24; and A2-1A to A2-3A.
TDC		"Resonant Mode Converter Topologies", by Bob Mammano, from <i>Power Supply Design Seminar</i> , Unitrode, 1991, pgs. P3-1 to P3-12.

EXAMINER <i>David M. O'D</i>	DATE CONSIDERED 6/26/02
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TDC	5,559,688	9/24/96	PRINGLE	363	89	
TDC	5,894,412	4/13/99	FAULK	363	56	
TDC	5,231,563	7/27/93	JITARU	363	98	
TDC	5,917,722	6/29/99	SINGH	363	132	
TDC	5,638,260	6/10/97	BEESE	363	17	
TDC	5,946,200	8/31/99	KIM ET AL.	363	17	
TDC	5,448,467	9/5/95	FERREIRA	363	17	
TDC	5,880,940	3/9/99	POON	363	20	
TDC	5,856,916	1/5/99	BONNET	363	20	
TDC	5,796,598	8/18/98	NOWAK ET AL.	363	37	
TDC	5,736,842	4/7/98	JOVANOVIĆ	323	222	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
					TC 2600 MAIL ROOM		
					APR 12 2001		
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TDC		"The New UC3879 Phase-Shifted PWM Controller Simplifies the Design of Zero Voltage Transition Full-Bridge Converters", by Laszlo Balogh, Unitrode, Application Note, 1995, pgs. 1-8.
TDC		"A Comparative Study of a Class of Full Bridge Zero-Voltage-Switched PWM Converters", by W. Chen et al., 1995 IEEE, pgs. 893-899.

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TDC	5,900,700	5/4/99	ARNDT ET AL.	315	291	
TDC	5,394,064	2/28/95	RANGANATH ET AL.	315	209	
TDC	5,583,402	12/10/96	MOISIN ET AL.	315	307	
TDC	5,742,495	4/21/98	BARONE	363	65	
TDC	5,514,921	5/7/96	STEIGERWALD	307	125	
TDC	5,546,300	8/13/96	LEE ET AL.	363	132	
TDC	5,854,617	12/29/98	LEE ET AL.	345	102	
TDC	5,731,652	3/24/98	SHIMADA	310	316	
TDC	5,420,779	5/30/95	PAYNE	363	56	
TDC	5,784,266	7/21/98	CHEN	363	16	
TDC	5,105,127	4/14/92	LAVAUD ET AL.	315	291	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TDC		"Optimum ZVS Full-Bridge DC/DC Converter with PWM Phase-Shift Control; Analysis, Design Considerations, and Experimental Results", by Richard Red I et al., 1994 IEEE, pgs. 159-165.
TDC		"A Frequency/PWM Controlled Converter with Two Independently Regulated Outputs", by R.A. Fisher et al., HFPC, May 1989, pgs. 459-471.

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TDC	5,235,501	8/10/93	STUART ET AL.	363	17	
TDC	5,291,382	3/1/94	COHEN	363	16	
TDC	5,412,557	5/2/95	LAUW	363	37	
TDC	5,774,346	6/30/98	POON ET AL.	363	17	
TDC	5,764,494	6/9/98	SCHUTTEN ET AL.	363	17	
TDC	5,932,976	8/3/99	MAHESHWARI ET AL.	315	291	
TDC	5,886,884	3/23/99	BAEK ET AL.	363	48	
TDC	5,157,592	10/20/92	WALTERS	363	17	
TDC	5,744,915	4/28/98	NILSEN	315	209 R	
TDC	5,719,474	2/17/98	VITELLO	315	307	
TDC	5,910,709	6/8/99	STEVANOVIC ET AL.	315	225	

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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

TDC		"High Density Power-Hybrid Design of a Half-Bridge Multi-Resonant Converter", by Richard Farrington, et al., HFPC-Virginia Polytechnic Institute, May 1990, pgs. 26-33.
TDC		"Small-Signal Analysis of the Zero-Voltage Switched Full-Bridge PWM Converter", V. Vlatkovic et al., HFPC-Virginia Polytechnic Institute, May 1990, pgs. 262-272.

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TDC	5,875,103	2/23/99	BHAGWAT ET AL.	363	17		
TDC	5,781,419	7/14/98	KUTKUT ET AL.	363	17		
TDC	5,559,395	9/24/96	VENKITASUBRAHMANIAN	315	247		
TDC	5,844,378	12/1/98	LOCASCIO ET AL.	315	307		
TDC	4,464,606	8/7/84	KANE	315	158		
TDC	6,011,360	1/4/00	GRADZKI ET AL.	315	244		
TDC	6,114,814	9/5/00	SHANNON ET AL.	315	219		
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